

Ruchit Karnawat

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Skills

BACKEND: C, C++, Node.js, Express.js, Python, PHP, Java

FRONTEND: HTML, CSS, Bootstrap, Javascript(Templating Engine: EJS, Mustache), ReactJS

DATABASE: MySQL, MongoDB

DATA STRUCTURES AND ALGORITHMS

FAMILIAR: Data Visualization, Machine Learning, OOPS, DBMS, VSCode, Jupyter Notebook, phpMyAdmin

Education

DEGREE/GRADE	INSTITUTION	SCORE
B. Tech CSE (2016-2020)	NIT KURUKSHETRA (IIIT, SONEPAT)	7.08/10 CGPA
Senior Secondary (2016)	B. R. BIRLA PUBLIC SCHOOL, JODHPUR	92.2% (CBSE)
Secondary (2014)	B. R. BIRLA PUBLIC SCHOOL, JODHPUR	10/10 CGPA

Experience

AARMON TECH.

TEACHING ASSISTANT INTERN

May 2019 – July 2019

- **Data Structures** in **C, C++**.
- **Topics:** Array, String, Linked List, Stack, Queue, Tree, Trie, Heap and Graph.

AARMON TECH.

TRAINEE

May 2018 – July 2018

- Completed training on [MACHINE LEARNING STANDARD MODULE](#) and scored '**A**' grade.
- **Sentiment Analysis** using data from [Twitter API](#), [Handwritten Digit Recognition](#) using **Sklearn**.
- Assistant Teacher in a 7 day Summer Training Program on **Python** for **teachers of JIET college**.

Projects

[Movies' Bucket App](#) | Node.js, Express, React.js, MongoDB, HTML, CSS, Javascript, Bootstrap

Deployed an **MVC CRUD** App on [Heroku](#) made using **MERN stack, OMDB API, Youtube API, OAuth 2.0, and Bcrypt**. Search movies and **get all information:** Title, Poster, IMDB Rating, Language, Genre, Actors, etc. **Watch Trailer**, add movies to the Bucket List, mark Favourites, mark watched/unwatched, move to Bin and Delete. Profile information **stored on local storage** when you log in.

[Food Shala](#) | HTML, CSS, JavaScript, Bootstrap, PHP, MySQL

A **CRUD** website - food delivery system made using **HTML, CSS, JavaScript, Bootstrap, PHP**, and **MySQL** with **Cart Functionality, Password Encryption, Cookies**, and Preference: Veg/Non-veg on sign up. Database **normalized in BCNF**.

[Waste Segregation](#) | Python, Keras, OpenCV, Raspberry Pi 2B+

Classifying waste into biodegradable and nonbiodegradable using **object recognition**, prediction and **classification** using **Keras, Sklearn** and **OpenCv** on **Raspberry Pi 2B+** with **91% accuracy**.

[Fastag Extention](#) | Python, fast2sms API

Extending the concept of **FasTag** used for automated toll collection to include 2 new features: **Police Challan collection** and **Petrol Pump Payments** using '**requests**' package and **fast2sms API** for sending **OTP** and Update information through SMS.

Achievements

- Received **Golden Award** in **Silver 2020 Challenge** by **Codility** for correct functionality and scalability.
- Institute **Rank 5** on **GeeksforGeeks**
- **Best Student Award** in 12th standard given by **The Times Group**. Earned **Merit certificate** in class 10.